



2003

**Behavioral Risk Factor Surveillance System
Summary Data Quality Report**

November 18, 2004

2003 BRFSS Summary Data Quality Report

This report provides selected statistical indicators of data quality in the Behavioral Risk Factor Surveillance System (BRFSS). The report presents data on three general types of measures by state¹:

- (1) Outcome measures, including response rates, which are based on disposition codes.
- (2) Selection biases with respect to sex, age, and race/ethnicity.
- (3) Missing values on income.

The measures in this report are designed to document the quality of BRFSS data.² "Data quality" in this report refers to the accuracy of BRFSS data.

Outcome Measures

The factors affecting the distribution of disposition codes by state may be grouped into differences in telephone systems, sample designs, surveyed populations, and data collection processes. Different outcome measures are variously affected by differences in these factors.

Tables 1 and 2 present the frequency of the thirty-one individual final disposition codes by state. Table 1 shows the distribution of all telephone numbers of determined eligibility status in the sample. Table 2 presents this distribution for numbers of unknown eligibility. The number of completed interviews (110) plus the number of partial interviews (120) divided by the total number of records by state is the Efficiency Rate.

Table 3 presents brief descriptions of each final call disposition code. For more information on the BRFSS protocol and process for assigning disposition codes, as well as a list of interim disposition codes, see *BRFSS Policy Memo 2001.1: BRFSS Disposition Codes*.

Table 4 shows the frequency distribution and Table 5 shows the percent (of all numbers in the sample) distribution of disposition codes for each state grouped into several descriptive categories. The categories shown in Tables 4 and 5 and used in the calculations of the outcome rates in Table 6 are defined below. P in the table below is the proportion of records with a final disposition code of 210 for which more than half of the core questionnaire prior to the demographics section was completed. These interviews are included in the response rate numerator but are not used in calculating estimates of risk factors and prevalences.

Categories of Call Outcomes		
Category	Disposition Code Definition	Format in Tables/Formulas
Completed Interview	$110+120+(210 \cdot P)$	COIN
Terminations and Refusals	$(210 \cdot (1 - P)) + 220$	TERE
Known Household, Possibly Eligible, Non-interview	$230+240+250+260+270+280+305+310+315+335$	KNHH
Likely Households	$320+325+330+332+340+355+370$	LIHH
Answering Machine Unknown	$345+350$	AMUR
Ineligible Households	410	INHH
Non-Contact	$360+365$	NCUS
Business Non-Residential	420	BUNR

¹ In this report, "state" includes the District of Columbia, Puerto Rico, the U.S. Virgin Islands, and Guam.

² The measures in this report are only indirect indicators of the quality of the data collection effort or adherence to BRFSS protocols.

Categories of Call Outcomes		
Category	Disposition Code Definition	Format in Tables/Formulas
Non-working Out-of-Scope	405+430+440+450	NOSN
Eligible, Non-Interview	210+220+230+240+250+260+270+280	Elig HH
Known or Probable Household, Unknown Eligibility	305+310+315+320+325+330+332+335+340+345+350+355+370	EUHH
Unknown Eligibility	EUHH+NCUS	Total Unknown
Ineligible	410+420+NOSN	Total Ineligible
All Known or Probable Households	COIN+TERE+KNHH+LIHH+INHH	HH
Total Records	All numbers in sample	TOTAL

Table 6 provides six outcome rates for each state that are used to measure respondent cooperation, data quality, and data collection efficiency. The Resolution Rate is the proportion of all telephone numbers in the sample for which the status of the numbers as households with working numbers has been resolved. Records for which household status remains unknown are excluded from the numerator. The formula for the Resolution Rate is

$$\left[\frac{COIN + TERE + KNHH + INHH + BUNR + NOSN}{TOTAL} \right]$$

The Screening Completion Rate is the proportion of all known households in which the presence or absence of an eligible respondent has been determined and in which, for eligible households, an interviewer actually spoke to the selected respondent. Households in which the presence or absence of an adult is unknown are excluded from the numerator. Its formula is

$$\left[\frac{COIN + TERE + INHH}{COIN + TERE + INHH + KNHH} \right]$$

The Interview Completion Rate is the proportion of contacted selected respondents who successfully complete an interview. This rate is a type of cooperation rate. An alternate response rate definition is the product of these three rates. The formula for the Interview Completion Rate is

$$\left[\frac{COIN}{COIN + TERE} \right]$$

The Cooperation Rate is the proportion of all respondents interviewed of all eligible units that were actually contacted. Non-contacts are excluded from the denominator. This rate is based on contacts with households containing an eligible respondent. The denominator of the rate includes completed interviews plus the number of non-interviews that involve the identification of and contact with an eligible respondent. A Cooperation Rate below 65 percent may indicate some problem with interviewing techniques. The denominator of the Cooperation Rate consists of records with disposition codes of 110, 120, 210, 220, 250, and 260. Thus, the formula for the BRFSS Cooperation Rate is

$$\left[\frac{COIN}{COIN + TERE + 250 + 260} \right]$$

A Response Rate is an outcome rate with the number of completed and partial interviews in the numerator and an estimate of the number of eligible units in the sample in the denominator. A proportion

of the terminations (210) are included as partial interviews in the BRFSS CASRO Response Rate calculation because more than fifty percent of the core questionnaire was completed for these telephone numbers. The BRFSS CASRO Response Rate calculation assumes that the unresolved numbers contain the same percentage of eligible households as the records whose eligibility or ineligibility are determined. This estimated level of eligibility provides a conservative response rate due to the fact that the proportion of these unknown eligible telephone numbers that are eligible is probably quite low, given the fifteen or more call attempts required by BRFSS protocol. The formula for the BRFSS CASRO Rate is

$$\left[\frac{COIN}{(110+120+EligHH) + \left(\frac{110+120+EligHH}{(110+120+EligHH+Ineligible)} \right) \times Unknown} \right]$$

The response rate is an indicator of the potential for bias in the results of a survey. It does not indicate the actual amount of bias. The actual amount of bias can be conceptualized as a function of two factors—the amount of non-response, which is measured by a response rate, and the differences between the respondents and the non-respondents. A response rate does not address the latter factor. If the non-respondents are highly similar to the respondents for the characteristics of interest, then even a low response rate will result in little non-response bias.

Table 6 also presents the BRFSS Overall Response Rate. The Overall Response Rate is a more conservative response rate that assumes that more unknown records are eligible and thus includes a higher proportion of all numbers in the denominator. The rate assumes that 90 percent of likely households are households and that 98 percent of households contain an adult who uses the phone number.

The Overall Response Rate formula is

$$\left[\frac{COIN}{(.98 * (COIN + TERE + KNHH + INHH + (.90 * (LIHH + AMUR))))} \right]$$

The BRFSS Refusal Rate is the proportion of all eligible respondents that refused to complete an interview or terminated an interview prior to the threshold required to be considered a partial interview. Refusals and terminations (TERE) are in the numerator, and the denominator is the same as that of the Response Rate.

Selection Biases

Tables 7 through 14 present data on the differences between BRFSS and population data with respect to sex, age, and race/ethnicity by state. In these tables, BRFSS data are weighted for the characteristics of the sample design—disproportionate sampling by geographic and density strata (where they exist), number of phones, and number of adults in the household.³ Since these factors are built into the sample design, they should be adjusted for before comparing survey distributions to population distributions. No definitive standards exist with respect to what constitutes a substantial difference between survey and population percentages. One approach would be to examine the distribution of discrepant values with the purpose of identifying extreme values, or outliers, which may indicate biased data.

³ These factors make up the variable _WT2 in the BRFSS data sets.

Income Missing Values

Table 15 presents the percent missing (Don't know/Not sure or Refused or either) income by state. Income is the variable in the survey data with the largest percentage of missing values. A larger percentage of missing values for income implies lower quality data for income and, by extension, for other variables.

Table 1. BRFSS Call Dispositions, Frequency Distribution by State for Numbers of Known Eligibility, 2003

State	110	120	210	220	230	240	250	260	270	280	Total Eligible	405	410	420	430	440	450	Total Ineligible
AK	2611	54	116	554	176	212	43	36	14	2	3,818	1	30	1830	846	1	10594	13,302
AL	3220	119	287	973	304	76	8	61	37	11	5,096	0	21	2199	386	246	5351	8,203
AR	3959	246	344	1170	178	648	38	232	36	1	6,852	2	18	2272	786	117	9219	12,414
AZ	3177	58	84	753	149	170	103	53	18	1	4,566	0	35	2291	721	81	6687	9,815
CA	4170	305	177	1889	317	227	799	167	0	0	8,051	0	44	4554	2158	191	9057	16,004
CO	3982	84	118	793	429	151	32	83	6	3	5,681	0	32	4164	1362	182	8992	14,732
CT	4821	496	168	2441	493	541	142	142	77	9	9,330	0	94	5499	1618	102	10683	17,996
DC	1807	235	122	813	245	178	44	32	30	6	3,512	0	16	4167	1028	0	8713	13,924
DE	3990	52	54	907	807	66	10	66	11	6	5,969	1	67	2690	1094	227	3847	7,926
FL	4791	247	247	1949	427	504	128	148	34	3	8,478	0	64	4203	1378	639	11526	17,810
GA	7305	346	446	2720	828	485	56	196	85	8	12,475	22	80	6454	1981	730	18746	28,013
GU	766	41	41	205	110	108	92	13	3	1	1,380	0	4	1461	314	0	3937	5,716
HI	4298	41	59	868	6	265	855	0	0	0	6,392	33	28	4951	3523	1	15790	24,326
IA	4810	193	52	926	378	574	44	223	5	1	7,206	0	5	2059	679	238	10396	13,377
ID	4824	175	256	1189	239	482	93	137	27	1	7,423	7	14	2963	1066	2055	9193	15,298
IL	5233	34	148	1877	441	128	65	107	249	26	8,308	6	29	2690	535	251	2546	6,057
IN	5165	316	379	1513	224	1249	40	200	38	0	9,124	2	24	3849	1107	327	12056	17,365
KS	4541	76	118	1267	252	131	12	46	33	0	6,476	0	14	3460	510	226	9318	13,528
KY	7258	375	113	1360	8	811	16	118	77	1	10,137	1	53	4675	713	92	19080	24,614
LA	4880	202	321	1919	614	296	33	170	44	3	8,482	1	66	3147	1166	367	12051	16,798
MA	6447	1133	365	4024	733	621	381	159	145	16	14,024	0	89	7595	2116	39	13718	23,557
MD	4123	312	147	2063	399	499	80	96	73	5	7,797	0	61	4439	1529	47	9092	15,168
ME	2255	137	42	790	105	144	15	57	28	0	3,573	0	12	1303	307	16	4264	5,902
MI	3471	80	70	899	667	57	32	127	1	0	5,404	0	16	3954	7	217	8564	12,758
MN	3850	33	23	567	628	141	56	121	2	0	5,421	2	22	1100	626	136	9123	11,009
MO	4129	123	223	743	570	61	20	87	12	4	5,972	1	24	2204	674	400	7343	10,646
MS	4281	141	278	1212	452	311	12	124	32	3	6,846	6	39	2516	749	187	6756	10,253
MT	3812	212	72	1106	201	254	3	94	21	2	5,777	0	24	2071	584	34	10671	13,384
NC	9244	211	231	1888	286	1042	36	369	45	2	13,354	7	32	4930	1572	603	14324	21,468
ND	2898	128	180	641	113	476	10	74	10	0	4,530	1	11	1509	462	195	6949	9,127
NE	4805	174	109	1087	353	57	6	34	25	1	6,651	0	25	2710	647	105	11280	14,767
NH	4732	310	88	1808	263	355	33	92	43	3	7,727	0	30	3762	1194	200	7917	13,103
NJ	10367	938	531	6116	1102	1651	562	273	200	28	21,768	0	425	14839	5578	1093	26420	48,355
NM	5212	282	216	1312	662	222	14	197	14	0	8,131	3	35	2837	1126	160	11542	15,703
NV	2927	46	37	494	254	31	10	61	31	3	3,894	0	61	1676	906	161	4327	7,131
NY	5189	355	571	1750	407	1689	223	220	66	0	10,470	5	29	6521	2156	483	13598	22,792

State	110	120	210	220	230	240	250	260	270	280	Total Eligible	405	410	420	430	440	450	Total Ineligible
OH	3,413	411	182	2,076	451	321	43	105	58	9	7,069	0	37	3,048	954	160	10,195	14,394
OK	7,580	53	201	1,146	545	790	26	199	18	4	10,562	2	55	3,446	1,166	436	12,492	17,597
OR	3,838	178	192	1,038	161	656	58	142	23	0	6,286	3	17	2,864	1,066	175	8,258	12,383
PA	3,515	156	259	961	186	844	37	145	28	1	6,132	2	27	3,316	1,111	210	6,603	11,269
PR	4,146	20	44	193	175	179	4	135	11	2	4,909	1	8	2,066	426	4,686	3,276	10,463
RI	3,705	348	145	1,755	284	319	145	94	55	6	6,856	0	42	3,112	825	63	6,482	10,524
SC	5,415	511	646	1,889	361	1,766	70	319	60	1	11,038	9	43	4,755	1,582	546	13,657	20,592
SD	5,194	68	100	1,183	287	210	9	44	25	3	7,123	0	15	2,847	789	265	14,125	18,041
TN	2,525	64	17	370	56	14	3	6	0	0	3,055	0	33	865	584	93	5,555	7,130
TX	5,536	499	668	2,137	361	1,925	100	247	66	1	11,540	6	50	5,385	2,417	570	18,413	26,841
UT	3,992	62	93	666	368	29	15	55	22	2	5,304	0	2	1,508	734	90	6,005	8,339
VA	5,080	362	367	1,345	353	438	56	178	28	1	8,208	56	10	2,939	1,100	188	8,347	12,640
VI	1,956	96	250	335	109	446	50	79	5	0	3,326	0	10	2,661	732	289	8,392	12,084
VT	4,048	202	206	849	178	723	16	131	14	2	6,369	7	15	2,765	833	82	8,422	12,124
WA	18,249	395	681	7,203	4,551	2,254	321	940	179	8	34,781	49	114	14,398	5,626	5,088	50,984	76,259
WI	3,922	132	208	1,134	6	34	25	61	171	82	5,775	0	11	1,680	524	59	6,488	8,762
WV	3,310	39	72	588	194	152	0	93	16	0	4,464	0	12	1,078	318	23	2,697	4,128
WY	3,897	107	186	781	123	627	26	99	14	0	5,860	2	15	2,402	856	302	8,302	11,879
Cumulative	252,671	12,013	11,350	78,235	22,569	26,640	5,150	7,487	2,365	272	418,752	238	2,189	194,679	64,847	23,474	562,363	847,790
Median	4,138	175	179	1,140	296	315	38	113	28	2	6,749	1	29	2,902	881	190	9,075	13,340

Table 2. BRFSS Call Dispositions, Frequency Distribution by State for Telephone Numbers of Unknown Eligibility, 2003

State	305	310	315	320	325	330	332	335	340	345	350	355	360	365	370	Total Unknown
AK	59	259	37	14	2	575	72	94	9	351	22	83	930	167	0	2,674
AL	31	1,568	321	34	23	933	19	787	123	69	241	210	636	57	0	5,052
AR	93	760	81	91	59	1,752	70	240	0	213	4	213	919	89	0	4,584
AZ	37	1,221	250	179	18	341	46	703	266	1	3	647	982	125	0	4,819
CA	83	3,500	798	940	23	656	238	129	21	1,201	484	164	2,486	166	0	10,889
CO	44	453	103	33	13	1,198	223	149	14	609	30	99	1,172	197	0	4,337
CT	335	2,565	420	228	81	3,117	353	757	482	316	360	1,181	2,767	361	1	13,324
DC	76	732	253	145	27	1,081	243	410	138	151	146	405	2,872	435	0	7,114
DE	1,234	1,290	71	48	66	738	31	696	2	0	0	252	1,475	2	0	5,905
FL	120	3,550	658	202	98	911	106	2,051	249	6	1	1,193	1,583	134	0	10,862
GA	305	2,684	447	207	31	4,124	319	1,048	12	689	53	781	1,701	198	12	12,611
GU	42	55	34	78	5	117	320	50	1	61	9	817	555	2,910	0	5,054
HI	0	223	0	12	217	2,843	0	51	877	37	420	665	2,623	102	0	8,070
IA	181	362	81	56	36	867	100	183	18	507	8	55	873	138	0	3,465
ID	86	763	71	143	26	2,148	55	319	1	235	25	198	1,021	88	0	5,179
IL	23	3,869	344	177	57	16	0	522	14	129	27	237	2,072	230	0	7,717
IN	243	1,449	105	19	65	2,553	95	504	3	413	10	484	1,427	141	0	7,511
KS	45	910	137	24	18	2,454	55	326	0	76	17	162	890	82	0	5,196
KY	1,135	763	6	6	9	2,844	30	805	2	407	0	766	1,557	100	0	8,430
LA	73	1,676	255	24	25	1,567	126	566	224	191	27	410	1,257	199	0	6,620
MA	399	3,520	513	507	129	4,615	437	910	102	399	124	954	4,271	639	0	17,519
MD	225	2,090	370	199	45	2,700	393	742	249	326	303	821	2,818	454	0	11,735
ME	93	433	57	7	30	638	62	181	11	68	29	123	722	121	0	2,575
MI	21	1,989	557	91	63	623	0	578	75	399	69	159	1,280	184	0	6,088
MN	17	346	129	66	28	1,067	206	48	2	355	103	63	807	83	0	3,320
MO	6	459	171	26	14	929	299	141	2	475	11	64	923	112	0	3,632
MS	112	831	154	20	19	1,435	177	254	4	250	28	306	843	67	1	4,501
MT	67	444	70	8	38	926	133	134	29	168	13	389	910	260	0	3,589
NC	300	1,817	148	67	33	2,431	57	1,122	15	603	86	641	1,709	49	0	9,078
ND	59	406	34	6	16	951	29	130	0	107	4	94	476	31	0	2,343
NE	13	1,157	165	5	4	1,000	33	452	5	27	15	132	721	53	0	3,782
NH	221	1,753	204	82	50	2,735	238	602	46	285	55	373	2,059	317	0	9,020
NJ	634	9,379	1,628	924	166	5,936	602	3,667	772	472	289	2,649	9,869	1,190	0	38,177
NM	82	659	103	7	33	1,532	189	183	61	725	300	137	1,311	143	0	5,465
NV	17	230	78	28	21	1,564	414	72	0	420	7	212	900	62	0	4,025
NY	515	2,099	292	410	89	4,348	274	935	4	919	19	509	2,995	280	0	13,688
OH	78	1,807	348	77	53	1,811	151	652	205	199	91	708	1,326	331	0	7,837

State	305	310	315	320	325	330	332	335	340	345	350	355	360	365	370	Total Unknown
OK	75	655	166	4	4	1,563	236	127	10	487	368	154	1,427	164	0	5,440
OR	144	1,068	89	46	44	1,609	51	443	7	226	9	234	1,027	134	0	5,131
PA	228	998	91	88	39	2,501	93	363	2	393	15	230	1,586	172	0	6,799
PR	34	62	21	3	9	33	31	46	2	102	4	77	553	1	0	978
RI	161	1,557	236	138	58	1,858	163	446	9	151	29	428	1,402	284	0	6,920
SC	417	1,978	167	162	97	3,990	138	667	8	678	11	598	1,860	199	0	10,970
SD	104	835	83	11	12	952	6	437	548	56	30	322	807	33	0	4,236
TN	15	686	29	37	43	2,043	2	110	9	364	117	76	792	80	151	4,554
TX	445	2,455	216	118	67	4,488	191	928	8	585	21	698	2,599	250	0	13,069
UT	5	253	45	16	5	477	31	129	1	242	3	89	752	56	1	2,105
VA	345	1,215	306	110	38	1,705	126	652	3	400	3	176	1,565	230	0	6,874
VI	101	196	51	37	9	358	49	160	1	158	8	178	772	62	0	2,140
VT	202	744	76	20	26	1,314	80	455	0	324	9	168	1,138	51	0	4,607
WA	798	6,131	3,301	465	206	6,270	860	2,394	29	2,760	81	1,710	4,787	218	0	30,010
WI	11	432	57	29	16	1,202	86	229	29	227	0	100	739	75	0	3,232
WV	33	337	55	0	9	745	50	100	10	164	21	83	547	53	1	2,208
WY	89	605	46	30	23	1,072	30	272	3	194	6	147	892	52	0	3,461
Cumulative	10,311	78,278	14,528	6,504	2,435	98,256	8,418	29,151	4,717	19,370	4,168	22,824	86,983	12,411	167	398,521
Median	88	873	133	47	31	1,484	98	424	10	268	22	232	1,215	136	0	5,318

Table 3. Summary of 2003 BRFSS Final Disposition Codes and Rules

Code	Description	Definition	Callback Rules
100 Interview			
110	Complete	Selected respondent meets the criteria for a 120 and has completed the interview through the last question.	Give final disposition upon completion of interview.
120	Partial Complete	Sex and three or more questions from age, race, ethnicity, marital status, education, employment status, county, and existence of more than one telephone number have been answered with a response other than 'Don't know/Not sure' or 'Refused'.	Make a second attempt to fully complete the interview after first refusal or termination. Give final disposition on the second attempt if interview is not completed or, on the fifteenth or subsequent attempt, even if there is only one occurrence of a refusal or termination.
200 Non-Interview, Household with Eligible Respondent			
210	Termination within Questionnaire	A hang-up or other termination after the first question in the core has been asked and it or a subsequent question has received a response other than 'Don't know/Not sure' or 'Refused'. The selected respondent has not answered enough questions for the interview to qualify as a 120.	Give final disposition after second refusal or termination or when a first-time refusal or termination will not be called a second time because of an irate respondent. On the fifteenth or later attempt, give final disposition after a single refusal or termination.
220	Refusal after Respondent Selection	A termination after respondent selection but before respondent has given a response other than Don't know/Not sure or Refused to one or more questions in the core. The refusals can come from any adult in the household and the initial refusal could have come before respondent selection.	Give final disposition after second refusal or when a first-time refusal will not be called a second time because of an irate respondent. On the fifteenth or subsequent call attempt, give final disposition even if there is only one occurrence of a refusal.
230	Selected Respondent Not Reached during Interview Period	Selected respondent was never spoken to or was spoken to and asked to be called again later one or more times. Includes instances where the selected respondent was away from residence for part of the interviewing period.	Give final disposition only after at least 5 calling occasions (each consisting of no more than 3 attempts at least one hour apart) for a minimum total of 15 attempts, and the 15 or more call attempts consist of at least 3 weekday, 3 weeknight, and 3 weekend calls.
240	Selected Respondent Away during Entire Interview Period	Selected respondent is expected to be away from residence during the entire interviewing period, for example, because of travel or a hospital stay.	Give final disposition when informed of absence.
250	Language Problem after Respondent Selection	After respondent selection, the selected or another respondent does not speak English or another language for which an interviewer and translated questionnaire are available well enough to be interviewed.	Give final disposition the first time a selected respondent is contacted who does not adequately speak a language for which an interviewer and questionnaire are available or the second time such a respondent who cannot answer the screening questions is contacted.
260	Selected Respondent Unable to Complete an Interview	The selected respondent has a physical or mental condition that prevents the completion of an interview and that condition is expected to last through the entire interviewing period. This includes a	Give final disposition (1) the first time a selected respondent is contacted or is described by someone else as unable to complete an interview during the interviewing period or (2) the second time a respondent

Code	Description	Definition	Callback Rules
		temporary condition that will last beyond the interviewing period.	who is physically or mentally impaired is contacted.
270	Termination after Number of Adults Recorded	Respondent hangs up or terminates call attempt after answering the number of adults question but <i>before</i> answering the number of men and number of women questions. This differs from 280 in that the respondent explicitly refuses.	Give final disposition after second hang-up or termination or when a first-time hang-up or termination will not be called a second time because of an irate respondent.
280	Household Contact after Number of Adults Recorded	Respondent answers the number of adults question and asks to be called again later <i>but</i> the number of men and number of women is never determined. On the surface, this is a postponement that was never re-started but may be an implicit refusal.	Give final disposition only after (a) at least 5 calling occasions (each consisting of no more than 3 attempts at least one hour apart) for a minimum total of 15 call attempts, and (b) the 15 or more call attempts consist of at least 3 weekday calls, 3 weeknight calls, and 3 weekend calls.
300 Non-Interview, Eligibility Undetermined			
305	Household Members Away from Residence	A house sitter, house cleaner, or other non-member of a household states that all of the household members will be away from the residence during the <i>entire</i> interviewing period.	Give final disposition when informed.
310	Termination, Housing Unit, Unknown if Eligible	A respondent hangs-up or terminates a call attempt before answering the number of adults question. This differs from 315 in that the respondent explicitly refuses.	Give final disposition after second hang-up or termination or when a first-time hang-up or termination will not be called a second time because of an irate respondent. If the first occurrence is on the fifteenth or subsequent call attempt, give final disposition.
315	Household Contact, Eligibility Undetermined	A respondent verified that the number reaches a private residence and asked to be called again later but the number of adults in the household was never determined. On the surface, this is a postponement that was never re-started but may be an implicit refusal.	Give final disposition only after (a) at least 5 calling occasions (each consisting of no more than 3 attempts at least one hour apart) for a minimum total of 15 call attempts, and (b) the 15 or more call attempts consist of at least 3 weekday calls, 3 weeknight calls, and 3 weekend calls.
320	Language Problem before Respondent Selection	A respondent who does not speak English or another language for which an interviewer and translated questionnaire are available well enough to answer the screening questions answers the telephone twice before selection.	Give final disposition after second contact with a respondent who does not speak a language for which there is a translated questionnaire and interviewer available. If the first occurrence is on the fifteenth or subsequent call attempt, give final disposition.
325	Impairment before Respondent Selection	A respondent whose physical or mental impairment prevents him or her from completing the screening questions answers the phone twice before respondent selection.	Give final disposition after second contact with a physically or mentally impaired respondent. If the first occurrence is on the fifteenth or subsequent call attempt, give final disposition.
330	Termination, Unknown if Household	A respondent hangs-up or terminates a call attempt before confirming that the telephone number rings to a private residence.	Give final disposition after second termination or when a first-time hang-up or termination will not be called a second time because of an irate respondent. If the first occurrence is on the fifteenth or subsequent call attempt, give final disposition.

Code	Description	Definition	Callback Rules
332	Contact, Unknown if Household	A respondent did not verify that the telephone number reaches a private residence but asked to be called again. On the surface, this is a postponement that was never re-started but may be an implicit refusal. This differs from 330 in that the respondent never explicitly refuses.	Give final disposition only after (a) at least 5 calling occasions (each consisting of no more than 3 attempts at least one hour apart) for a minimum total of 15 call attempts, and (b) the 15 or more call attempts consist of at least 3 weekday calls, 3 weeknight calls, and 3 weekend calls.
335	Answering Device, Message Confirms Household	One or more call attempts reached an answering machine but no person was ever spoken to. The message confirms that the telephone number reaches a private residence by using the words, "home," "house," "family," "residence," or a family name.	Give final disposition only after (a) at least 5 calling occasions (each consisting of no more than 3 attempts at least one hour apart) for a minimum total of 15 call attempts, and (b) the 15 or more call attempts consist of at least 3 weekday calls, 3 weeknight calls, and 3 weekend calls.
340	Technological Barrier, Message Confirms Household	Call attempts reached a call blocking message, a message asking the caller to identify himself or herself, or other automated message, but no person. A message confirms that the telephone number reaches a private residence.	Give final disposition only after (a) at least 5 calling occasions (each consisting of no more than 3 attempts at least one hour apart) for a minimum total of 15 call attempts, and (b) the 15 or more call attempts consist of at least 3 weekday calls, 3 weeknight calls, and 3 weekend calls.
345	Answering Device, Unsure If Household	One or more call attempts reached a telephone answering machine but no person. The message leaves open the possibility that the telephone number is reaching a private residence but it does not explicitly state so.	Give final disposition only after (a) at least 5 calling occasions (each consisting of no more than 3 attempts at least one hour apart) for a minimum total of 15 call attempts, and (b) the 15 or more call attempts consist of at least 3 weekday calls, 3 weeknight calls, and 3 weekend calls.
350	Technological Barrier, Unsure if Household	Attempts reached a call blocking message, a message asking the caller to identify himself or herself, or other automated response, but no person. There is no message or a message does not specify if the number is a private residence.	Give final disposition only after (a) at least 5 calling occasions (each consisting of no more than 3 attempts at least one hour apart) for a minimum total of 15 call attempts, and (b) the 15 or more call attempts consist of at least 3 weekday calls, 3 weeknight calls, and 3 weekend calls.
355	Number Has Changed Status from Possible Household to Non-Working	On the second or subsequent call attempt, a telephone number responds with a message indicating that the telephone number called is a non-working number or has been changed and there is at least one relevant previous interim disposition indicating the number was working.	Give final disposition when notified.
360	No Answer	Among telephone numbers that no person or device ever answered, half or more of the call attempts resulted in a normal telephone ring that no one answered.	Give final disposition only after (a) at least 5 calling occasions (each consisting of no more than 3 attempts at least one hour apart) for a minimum total of 15 call attempts, and (b) the 15 or more call attempts consist of at least 3 weekday, 3 weeknight, and 3 weekend calls.
365	Busy	Among telephone numbers which no person or device ever answered, more than half of the call attempts resulted in a normal busy signal.	Give final disposition only after (a) at least 5 calling occasions (each consisting of no more than 3 attempts at least 10 minutes apart) for a minimum total of 15 call attempts, and (b) the

Code	Description	Definition	Callback Rules
			15 or more call attempts consist of at least 3 weekday calls, 3 weeknight calls, and 3 weekend calls. If possible, contact the telephone company repair service to verify the number is in service.
370	On "Never Call" List	To be assigned to (those few) telephone numbers that the BRFSS State Coordinator has determined, before calling begins, should not be called.	This disposition should never be assigned to a telephone number with one or more call attempts.
400 Not Eligible 405	Out-of-state	The telephone number rings out-of-state.	Give final disposition when informed. This code should take priority over other possible final disposition codes.
410	Household, No Eligible Respondent	No one 18 years of age or older uses the telephone. To be assigned when no one in the household is 18 years of age or older or the telephone number is used by a teen under the age of 18 and the parents do not use that phone.	Give final disposition when informed.
420	Not a Household	The person answering the phone or an answering machine identifies the telephone number as a business, a group quarters, a vacant or seasonally vacant housing unit, a pager, a mobile phone, or a dedicated fax/data line.	Give final disposition when informed.
430	Dedicated Fax/data Line with No Human Contact	A telephone number used only as a fax, data, or modem line.	Give final disposition only after at least 2 calling occasions for a minimum of 6 attempts with at least one relevant interim disposition code.
440	Fast Busy	A telephone number with at least one interim disposition of "Fast Busy" and all other interim dispositions are "No Answer," "Busy," "Possible Non-working Number," or "Circuit Busy."	Give final disposition only after at least 2 calling occasions (each consisting of no more than 3 attempts at least one hour apart) for a minimum total of 6 call attempts with at least one relevant interim disposition code.
450	Non-working/Disconnected Number	Usually recognized by a tritone, a recording, a number that consistently rings to an incorrect number, or a number that cannot be verified by a respondent. This code also includes numbers that are pre-identified as non-working numbers by GENESYS.	Give final disposition when the criteria are met. If 15 call attempts are required, give final disposition only after at least 5 calling occasions for a minimum total of 15 call attempts, and the 15 or more call attempts consist of at least 3 weekday calls, 3 weeknight calls, and 3 weekend calls.

Table 4. BRFSS Call Dispositions, Frequency Distribution by Categories of Call Outcomes and State, 2003

State	COIN	TERE	KNHH	LIHH	AMUR	INHH	NCUS	BUNR	NOSN	Elig HH	Total Eligible	EUHH	Total Un-known	Total In-eligible	HH	TOTAL
AK	2,687	648	932	755	373	30	1,097	1,830	11,442	1,153	3,818	1,577	2,674	13,302	5,052	19,794
AL	3,411	1,188	3,204	1,342	310	21	693	2,199	5,983	1,757	5,096	4,359	5,052	8,203	9,166	18,351
AR	4,285	1,434	2,307	2,185	217	18	1,008	2,272	10,124	2,647	6,852	3,576	4,584	12,414	10,229	23,850
AZ	3,254	818	2,705	1,497	4	35	1,107	2,291	7,489	1,331	4,566	3,712	4,819	9,815	8,309	19,200
CA	4,515	2,026	6,020	2,042	1,685	44	2,652	4,554	11,406	3,576	8,051	8,237	10,889	16,004	14,647	34,944
CO	4,101	876	1,453	1,580	639	32	1,369	4,164	10,536	1,615	5,681	2,968	4,337	14,732	8,042	24,750
CT	5,355	2,571	5,481	5,443	676	94	3,128	5,499	12,403	4,013	9,330	10,196	13,324	17,996	18,944	40,650
DC	2,070	907	2,006	2,039	297	16	3,307	4,167	9,741	1,470	3,512	3,807	7,114	13,924	7,038	24,550
DE	4,054	949	4,257	1,137	0	67	1,477	2,690	5,169	1,927	5,969	4,428	5,905	7,926	10,464	19,800
FL	5,094	2,140	7,623	2,759	7	64	1,717	4,203	13,543	3,440	8,478	9,145	10,862	17,810	17,680	37,150
GA	7,767	3,050	6,142	5,486	742	80	1,899	6,454	21,479	4,824	12,475	10,712	12,611	28,013	22,525	53,099
GU	816	237	508	1,338	70	4	3,465	1,461	4,251	573	1,380	1,589	5,054	5,716	2,903	12,150
HI	4,352	914	1,400	4,614	457	28	2,725	4,951	19,347	2,053	6,392	5,345	8,070	24,326	11,308	38,788
IA	5,007	974	2,032	1,132	515	5	1,011	2,059	11,313	2,203	7,206	2,454	3,465	13,377	9,150	24,048
ID	5,056	1,388	2,218	2,571	260	14	1,109	2,963	12,321	2,424	7,423	4,070	5,179	15,298	11,247	27,900
IL	5,302	1,990	5,774	501	156	29	2,302	2,690	3,338	3,041	8,308	5,415	7,717	6,057	13,596	22,082
IN	5,561	1,812	4,052	3,219	423	24	1,568	3,849	13,492	3,643	9,124	5,943	7,511	17,365	14,668	34,000
KS	4,642	1,360	1,892	2,713	93	14	972	3,460	10,054	1,859	6,476	4,224	5,196	13,528	10,621	25,200
KY	7,635	1,471	3,740	3,657	407	53	1,657	4,675	19,886	2,504	10,137	6,773	8,430	24,614	16,556	43,181
LA	5,160	2,162	3,730	2,376	218	66	1,456	3,147	13,585	3,400	8,482	5,164	6,620	16,798	13,494	31,900
MA	7,663	4,306	7,397	6,744	523	89	4,910	7,595	15,873	6,444	14,024	12,609	17,519	23,557	26,199	55,100
MD	4,468	2,177	4,579	4,407	629	61	3,272	4,439	10,668	3,362	7,797	8,463	11,735	15,168	15,692	34,700
ME	2,402	822	1,113	871	97	12	843	1,303	4,587	1,181	3,573	1,732	2,575	5,902	5,220	12,050
MI	3,567	953	4,029	1,011	468	16	1,464	3,954	8,788	1,853	5,404	4,624	6,088	12,758	9,576	24,250
MN	3,888	585	1,488	1,432	458	22	890	1,100	9,887	1,538	5,421	2,430	3,320	11,009	7,415	19,750
MO	4,310	908	1,531	1,334	486	24	1,035	2,204	8,418	1,720	5,972	2,597	3,632	10,646	8,107	20,250
MS	4,488	1,424	2,285	1,962	278	39	910	2,516	7,698	2,424	6,846	3,591	4,501	10,253	10,198	21,600
MT	4,040	1,162	1,290	1,523	181	24	1,170	2,071	11,289	1,753	5,777	2,419	3,589	13,384	8,039	22,750
NC	9,511	2,063	5,167	3,244	689	32	1,758	4,930	16,506	3,899	13,354	7,320	9,078	21,468	20,017	43,900
ND	3,070	777	1,312	1,096	111	11	507	1,509	7,607	1,504	4,530	1,836	2,343	9,127	6,266	16,000
NE	5,005	1,170	2,263	1,179	42	25	774	2,710	12,032	1,672	6,651	3,008	3,782	14,767	9,642	25,200
NH	5,062	1,876	3,569	3,524	340	30	2,376	3,762	9,311	2,685	7,727	6,644	9,020	13,103	14,061	29,850

Table 4. BRFSS Call Dispositions, Frequency Distribution by Categories of Call Outcomes and State, 2003

State	COIN	TERE	KNHH	LIHH	AMUR	INHH	NCUS	BUNR	NOSN	Elig HH	Total Eligible	EUHH	Total Un-known	Total In-eligible	HH	TOTAL
NJ	11,425	6,527	19,124	11,049	761	425	11,059	14,839	33,091	10,463	21,768	27,118	38,177	48,355	48,550	108,300
NM	5,519	1,503	2,136	1,959	1,025	35	1,454	2,837	12,831	2,637	8,131	4,011	5,465	15,703	11,152	29,299
NV	2,973	531	787	2,239	427	61	962	1,676	5,394	921	3,894	3,063	4,025	7,131	6,591	15,050
NY	5,698	2,167	6,446	5,634	938	29	3,275	6,521	16,242	4,926	10,470	10,413	13,688	22,792	19,974	46,950
OH	3,875	2,207	3,872	3,005	290	37	1,657	3,048	11,309	3,245	7,069	6,180	7,837	14,394	12,996	29,300
OK	7,655	1,325	2,605	1,971	855	55	1,591	3,446	14,096	2,929	10,562	3,849	5,440	17,597	13,611	33,599
OR	4,056	1,190	2,784	1,991	235	17	1,161	2,864	9,502	2,270	6,286	3,970	5,131	12,383	10,038	23,800
PA	3,735	1,156	2,921	2,953	408	27	1,758	3,316	7,926	2,461	6,132	5,041	6,799	11,269	10,792	24,200
PR	4,172	231	669	155	106	8	554	2,066	8,389	743	4,909	424	978	10,463	5,235	16,350
RI	4,086	1,867	3,303	2,654	180	42	1,686	3,112	7,370	2,803	6,856	5,234	6,920	10,524	11,952	24,300
SC	6,104	2,357	5,806	4,993	689	43	2,059	4,755	15,794	5,112	11,038	8,911	10,970	20,592	19,303	42,600
SD	5,285	1,260	2,037	1,851	86	15	840	2,847	15,179	1,861	7,123	3,396	4,236	18,041	10,448	29,400
TN	2,593	383	919	2,361	481	33	872	865	6,232	466	3,055	3,682	4,554	7,130	6,289	14,739
TX	6,189	2,651	6,744	5,570	606	50	2,849	5,385	21,406	5,505	11,540	10,220	13,069	26,841	21,204	51,450
UT	4,079	734	923	620	245	2	808	1,508	6,829	1,250	5,304	1,297	2,105	8,339	6,358	15,748
VA	5,469	1,685	3,572	2,158	403	10	1,795	2,939	9,691	2,766	8,208	5,079	6,874	12,640	12,894	27,722
VI	2,116	521	1,197	632	166	10	834	2,661	9,413	1,274	3,326	1,306	2,140	12,084	4,476	17,550
VT	4,302	1,003	2,541	1,608	333	15	1,189	2,765	9,344	2,119	6,369	3,418	4,607	12,124	9,469	23,100
WA	18,814	7,714	20,877	9,540	2,841	114	5,005	14,398	61,747	16,137	34,781	25,005	30,010	76,259	57,059	141,050
WI	4,113	1,283	1,108	1,462	227	11	814	1,680	7,071	1,721	5,775	2,418	3,232	8,762	7,977	17,769
WV	3,366	643	980	898	185	12	600	1,078	3,038	1,115	4,464	1,608	2,208	4,128	5,899	10,800
WY	4,046	925	1,901	1,305	200	15	944	2,402	9,462	1,856	5,860	2,517	3,461	11,879	8,192	21,200
Cumulative	267,269	87,000	196,751	143,321	23,538	2,189	99,394	194,679	650,922	154,068	418,752	299,127	398,521	847,790	696,530	1,665,063
Median	4,331	1,271	2,573	2,015	337	29	1,455	2,902	10,089	2,237	6,749	4,041	5,318	13,340	10,456	24,425

Table 5. BRFSS Call Dispositions, Percent Distribution by Categories of Call Outcomes and State, 2003

State	% COIN	% TERE	% KNHH	% LIHH	% AMUR	% INHH	% NCUS	% BUNR	% NOSN	% Elig HH	% Total Eligible	% EUHH	% Total Unknown	% Total Ineligible	% HH	TOTAL
AK	13.57%	3.28%	4.71%	3.81%	1.88%	0.15%	5.54%	9.25%	57.81%	5.82%	19.29%	7.97%	13.51%	67.20%	25.52%	19,794
AL	18.59%	6.47%	17.46%	7.31%	1.69%	0.11%	3.78%	11.98%	32.60%	9.57%	27.77%	23.75%	27.53%	44.70%	49.95%	18,351
AR	17.97%	6.01%	9.67%	9.16%	0.91%	0.08%	4.23%	9.53%	42.45%	11.10%	28.73%	14.99%	19.22%	52.05%	42.89%	23,850
AZ	16.95%	4.26%	14.09%	7.80%	0.02%	0.18%	5.77%	11.93%	39.01%	6.93%	23.78%	19.33%	25.10%	51.12%	43.28%	19,200
CA	12.92%	5.80%	17.23%	5.84%	4.82%	0.13%	7.59%	13.03%	32.64%	10.23%	23.04%	23.57%	31.16%	45.80%	41.92%	34,944
CO	16.57%	3.54%	5.87%	6.38%	2.58%	0.13%	5.53%	16.82%	42.57%	6.53%	22.95%	11.99%	17.52%	59.52%	32.49%	24,750
CT	13.17%	6.32%	13.48%	13.39%	1.66%	0.23%	7.69%	13.53%	30.51%	9.87%	22.95%	25.08%	32.78%	44.27%	46.60%	40,650
DC	8.43%	3.70%	8.17%	8.31%	1.21%	0.07%	13.47%	16.97%	39.68%	5.99%	14.31%	15.51%	28.98%	56.72%	28.67%	24,550
DE	20.48%	4.79%	21.50%	5.74%	0.00%	0.34%	7.46%	13.59%	26.11%	9.73%	30.15%	22.36%	29.82%	40.03%	52.85%	19,800
FL	13.71%	5.76%	20.52%	7.43%	0.02%	0.17%	4.62%	11.31%	36.45%	9.26%	22.82%	24.62%	29.24%	47.94%	47.59%	37,150
GA	14.63%	5.74%	11.57%	10.33%	1.40%	0.15%	3.58%	12.15%	40.45%	9.08%	23.49%	20.17%	23.75%	52.76%	42.42%	53,099
GU	6.72%	1.95%	4.18%	11.01%	0.58%	0.03%	28.52%	12.02%	34.99%	4.72%	11.36%	13.08%	41.60%	47.05%	23.89%	12,150
HI	11.22%	2.36%	3.61%	11.90%	1.18%	0.07%	7.03%	12.76%	49.88%	5.29%	16.48%	13.78%	19.95%	62.72%	29.15%	38,788
IA	20.82%	4.05%	8.45%	4.71%	2.14%	0.02%	4.20%	8.56%	47.04%	9.16%	29.97%	10.20%	14.41%	55.63%	38.05%	24,048
ID	18.12%	4.98%	7.95%	9.22%	0.93%	0.05%	3.97%	10.62%	44.16%	8.69%	26.61%	14.59%	18.56%	54.83%	40.31%	27,900
IL	24.01%	9.01%	26.15%	2.27%	0.71%	0.13%	10.42%	12.18%	15.12%	13.77%	37.62%	24.52%	34.95%	27.43%	61.57%	22,082
IN	16.36%	5.33%	11.92%	9.47%	1.24%	0.07%	4.61%	11.32%	39.68%	10.71%	26.84%	17.48%	22.09%	51.07%	43.14%	34,000
KS	18.42%	5.40%	7.51%	10.77%	0.37%	0.06%	3.86%	13.73%	39.90%	7.38%	25.70%	16.76%	20.62%	53.68%	42.15%	25,200
KY	17.68%	3.41%	8.66%	8.47%	0.94%	0.12%	3.84%	10.83%	46.05%	5.80%	23.48%	15.69%	19.52%	57.00%	38.34%	43,181
LA	16.18%	6.78%	11.69%	7.45%	0.68%	0.21%	4.56%	9.87%	42.59%	10.66%	26.59%	16.19%	20.75%	52.66%	42.30%	31,900
MA	13.91%	7.82%	13.42%	12.24%	0.95%	0.16%	8.91%	13.78%	28.81%	11.70%	25.45%	22.88%	31.79%	42.75%	47.55%	55,100
MD	12.88%	6.27%	13.20%	12.70%	1.81%	0.18%	9.43%	12.79%	30.74%	9.69%	22.47%	24.39%	33.82%	43.71%	45.22%	34,700
ME	19.93%	6.83%	9.24%	7.23%	0.80%	0.10%	7.00%	10.81%	38.07%	9.80%	29.65%	14.37%	21.37%	48.98%	43.32%	12,050
MI	14.71%	3.93%	16.61%	4.17%	1.93%	0.07%	6.04%	16.31%	36.24%	7.64%	22.28%	19.07%	25.11%	52.61%	39.49%	24,250
MN	19.69%	2.96%	7.53%	7.25%	2.32%	0.11%	4.51%	5.57%	50.06%	7.79%	27.45%	12.30%	16.81%	55.74%	37.54%	19,750
MO	21.28%	4.49%	7.56%	6.59%	2.40%	0.12%	5.11%	10.88%	41.57%	8.49%	29.49%	12.82%	17.94%	52.57%	40.03%	20,250
MS	20.78%	6.59%	10.58%	9.08%	1.29%	0.18%	4.21%	11.65%	35.64%	11.22%	31.69%	16.63%	20.84%	47.47%	47.21%	21,600
MT	17.76%	5.11%	5.67%	6.69%	0.80%	0.11%	5.14%	9.10%	49.62%	7.71%	25.39%	10.63%	15.78%	58.83%	35.34%	22,750
NC	21.67%	4.70%	11.77%	7.39%	1.57%	0.07%	4.00%	11.23%	37.60%	8.88%	30.42%	16.67%	20.68%	48.90%	45.60%	43,900
ND	19.19%	4.86%	8.20%	6.85%	0.69%	0.07%	3.17%	9.43%	47.54%	9.40%	28.31%	11.48%	14.64%	57.04%	39.16%	16,000
NE	19.86%	4.64%	8.98%	4.68%	0.17%	0.10%	3.07%	10.75%	47.75%	6.63%	26.39%	11.94%	15.01%	58.60%	38.26%	25,200
NH	16.96%	6.28%	11.96%	11.81%	1.14%	0.10%	7.96%	12.60%	31.19%	8.99%	25.89%	22.26%	30.22%	43.90%	47.11%	29,850
NJ	10.55%	6.03%	17.66%	10.20%	0.70%	0.39%	10.21%	13.70%	30.55%	9.66%	20.10%	25.04%	35.25%	44.65%	44.83%	108,300
NM	18.84%	5.13%	7.29%	6.69%	3.50%	0.12%	4.96%	9.68%	43.79%	9.00%	27.75%	13.69%	18.65%	53.60%	38.06%	29,299
NV	19.75%	3.53%	5.23%	14.88%	2.84%	0.41%	6.39%	11.14%	35.84%	6.12%	25.87%	20.35%	26.74%	47.38%	43.79%	15,050

Table 5. BRFSS Call Dispositions, Percent Distribution by Categories of Call Outcomes and State, 2003

State	% COIN	% TERE	% KNHH	% LIHH	% AMUR	% INHH	% NCUS	% BUNR	% NOSN	% Elig HH	% Total Eligible	% EUHH	% Total Unknown	% Total Ineligible	% HH	TOTAL
NY	12.14%	4.62%	13.73%	12.00%	2.00%	0.06%	6.98%	13.89%	34.59%	10.49%	22.30%	22.18%	29.15%	48.55%	42.54%	46,950
OH	13.23%	7.53%	13.22%	10.26%	0.99%	0.13%	5.66%	10.40%	38.60%	11.08%	24.13%	21.09%	26.75%	49.13%	44.35%	29,300
OK	22.78%	3.94%	7.75%	5.87%	2.54%	0.16%	4.74%	10.26%	41.95%	8.72%	31.44%	11.46%	16.19%	52.37%	40.51%	33,599
OR	17.04%	5.00%	11.70%	8.37%	0.99%	0.07%	4.88%	12.03%	39.92%	9.54%	26.41%	16.68%	21.56%	52.03%	42.18%	23,800
PA	15.43%	4.78%	12.07%	12.20%	1.69%	0.11%	7.26%	13.70%	32.75%	10.17%	25.34%	20.83%	28.10%	46.57%	44.60%	24,200
PR	25.52%	1.41%	4.09%	0.95%	0.65%	0.05%	3.39%	12.64%	51.31%	4.54%	30.02%	2.59%	5.98%	63.99%	32.02%	16,350
RI	16.81%	7.68%	13.59%	10.92%	0.74%	0.17%	6.94%	12.81%	30.33%	11.53%	28.21%	21.54%	28.48%	43.31%	49.19%	24,300
SC	14.33%	5.53%	13.63%	11.72%	1.62%	0.10%	4.83%	11.16%	37.08%	12.00%	25.91%	20.92%	25.75%	48.34%	45.31%	42,600
SD	17.98%	4.29%	6.93%	6.30%	0.29%	0.05%	2.86%	9.68%	51.63%	6.33%	24.23%	11.55%	14.41%	61.36%	35.54%	29,400
TN	17.59%	2.60%	6.24%	16.02%	3.26%	0.22%	5.92%	5.87%	42.28%	3.16%	20.73%	24.98%	30.90%	48.38%	42.67%	14,739
TX	12.03%	5.15%	13.11%	10.83%	1.18%	0.10%	5.54%	10.47%	41.61%	10.70%	22.43%	19.86%	25.40%	52.17%	41.21%	51,450
UT	25.90%	4.66%	5.86%	3.94%	1.56%	0.01%	5.13%	9.58%	43.36%	7.94%	33.68%	8.24%	13.37%	52.95%	40.37%	15,748
VA	19.73%	6.08%	12.89%	7.78%	1.45%	0.04%	6.48%	10.60%	34.96%	9.98%	29.61%	18.32%	24.80%	45.60%	46.51%	27,722
VI	12.05%	2.97%	6.82%	3.60%	0.95%	0.06%	4.75%	15.16%	53.64%	7.26%	18.95%	7.44%	12.19%	68.85%	25.50%	17,550
VT	18.62%	4.34%	11.00%	6.96%	1.44%	0.06%	5.15%	11.97%	40.45%	9.17%	27.57%	14.80%	19.94%	52.48%	40.99%	23,100
WA	13.34%	5.47%	14.80%	6.76%	2.01%	0.08%	3.55%	10.21%	43.78%	11.44%	24.66%	17.73%	21.28%	54.07%	40.45%	141,050
WI	23.15%	7.22%	6.24%	8.23%	1.28%	0.06%	4.58%	9.45%	39.79%	9.69%	32.50%	13.61%	18.19%	49.31%	44.89%	17,769
WV	31.16%	5.96%	9.07%	8.31%	1.71%	0.11%	5.56%	9.98%	28.13%	10.32%	41.33%	14.89%	20.44%	38.22%	54.62%	10,800
WY	19.08%	4.36%	8.97%	6.16%	0.94%	0.07%	4.45%	11.33%	44.63%	8.75%	27.64%	11.87%	16.33%	56.03%	38.64%	21,200
Cumulative	16.05%	5.23%	11.80%	8.60%	1.41%	0.13%	5.96%	11.68%	39.05%	9.24%	25.22%	17.95%	23.91%	50.87%	41.89%	1,666,725
Median	17.64%	4.99%	10.13%	7.79%	1.23%	0.10%	5.14%	11.32%	39.85%	9.17%	25.90%	16.65%	21.32%	52.04%	42.24%	24,425
Minimum	6.72%	1.41%	3.46%	0.95%	0.00%	0.01%	2.86%	5.57%	15.12%	3.16%	11.36%	2.59%	5.98%	27.43%	23.89%	10,800
Maximum	31.16%	9.01%	26.15%	16.02%	4.82%	0.41%	28.52%	16.97%	57.81%	13.77%	41.33%	25.08%	41.60%	68.85%	61.57%	141,050

Table 6. BRFSS Outcome Rates by State, 2003

State Name	Resolution Rate	Screening Completion Rate	Interview Completion Rate	Cooperation Rate	Refusal Rate	Overall Response Rate	CASRO Response Rate
Alabama	87.2%	59.0%	74.2%	73.1%	16.9%	38.0%	50.0%
Alaska	88.8%	78.3%	80.6%	78.7%	14.7%	54.3%	62.2%
Arizona	86.4%	60.3%	79.9%	77.0%	13.4%	40.0%	54.0%
Arkansas	85.7%	71.3%	74.9%	71.6%	16.9%	42.7%	52.0%
California	81.7%	52.2%	69.0%	60.1%	17.3%	31.5%	39.0%
Colorado	85.5%	77.5%	82.4%	80.5%	12.7%	52.0%	60.2%
Connecticut	77.3%	59.4%	67.6%	65.2%	18.5%	28.8%	38.9%
Delaware	86.8%	54.4%	81.0%	79.8%	11.2%	39.5%	47.9%
District of Columbia	77.0%	59.9%	69.5%	67.8%	18.3%	30.0%	42.7%
Florida	87.9%	48.9%	70.4%	67.8%	17.9%	29.4%	43.2%
Georgia	84.7%	64.0%	71.8%	70.2%	18.6%	35.2%	48.4%
Guam	59.9%	67.5%	77.5%	70.5%	10.0%	28.7%	35.1%
Hawaii	79.9%	79.1%	82.7%	71.1%	11.3%	39.3%	54.2%
Idaho	85.9%	74.4%	78.5%	75.7%	15.2%	45.9%	56.7%
Illinois	86.6%	55.9%	72.7%	71.0%	15.6%	39.8%	41.8%
Indiana	84.7%	64.6%	75.4%	73.0%	15.5%	38.7%	48.7%
Iowa	88.9%	74.7%	83.7%	80.1%	11.6%	55.8%	59.8%
Kansas	85.0%	76.1%	77.3%	76.6%	16.7%	44.6%	57.6%
Kentucky	86.8%	71.0%	83.8%	82.6%	11.7%	47.1%	61.2%
Louisiana	87.3%	66.5%	70.5%	68.6%	20.2%	39.0%	49.2%
Maine	85.0%	74.4%	74.5%	72.9%	18.1%	46.9%	53.2%
Maryland	76.1%	59.4%	67.2%	65.5%	18.5%	29.1%	38.3%
Massachusetts	77.9%	62.0%	64.0%	61.3%	20.9%	29.8%	37.7%
Michigan	87.9%	53.0%	78.9%	76.2%	13.2%	38.0%	49.8%
Minnesota	85.9%	75.1%	86.9%	83.6%	9.0%	53.5%	59.8%
Mississippi	85.4%	72.3%	75.9%	74.2%	16.5%	44.9%	53.1%
Missouri	85.9%	77.4%	82.6%	80.9%	12.5%	54.2%	60.6%
Montana	87.4%	80.2%	77.7%	76.2%	16.9%	51.3%	59.4%
Nebraska	92.1%	73.3%	81.1%	80.5%	15.0%	53.0%	64.6%
Nevada	75.9%	81.9%	84.8%	83.2%	10.0%	46.0%	56.4%
New Hampshire	79.1%	66.1%	73.0%	71.7%	16.9%	36.7%	46.0%
New Jersey	78.9%	49.0%	63.6%	60.8%	19.4%	24.0%	34.4%
New Mexico	84.9%	76.8%	78.6%	76.3%	15.0%	50.5%	56.4%

Table 6. BRFSS Outcome Rates by State, 2003

State Name	Resolution Rate	Screening Completion Rate	Interview Completion Rate	Cooperation Rate	Refusal Rate	Overall Response Rate	CASRO Response Rate
New York	79.0%	55.0%	72.5%	68.6%	14.7%	29.1%	39.5%
North Carolina	87.0%	69.2%	82.2%	79.4%	12.3%	48.5%	57.1%
North Dakota	89.3%	74.6%	79.8%	78.1%	14.6%	50.0%	59.3%
Ohio	83.1%	61.2%	63.7%	62.2%	22.9%	30.4%	40.6%
Oklahoma	86.9%	77.6%	85.2%	83.2%	10.5%	57.4%	61.7%
Oregon	85.8%	65.4%	77.3%	74.5%	14.8%	41.2%	51.6%
Pennsylvania	78.8%	62.7%	76.4%	73.6%	13.6%	35.3%	44.8%
Puerto Rico	95.0%	86.8%	94.8%	91.9%	4.4%	81.3%	80.5%
Rhode Island	81.4%	64.5%	68.6%	66.0%	19.5%	34.9%	43.1%
South Carolina	81.8%	59.4%	72.1%	69.0%	15.9%	32.3%	42.1%
South Dakota	90.6%	76.3%	80.7%	80.1%	15.1%	51.6%	64.1%
Tennessee	74.8%	76.6%	87.1%	86.9%	8.7%	42.1%	58.9%
Texas	82.5%	56.9%	70.0%	67.4%	17.1%	29.8%	41.2%
Utah	89.4%	83.9%	84.8%	83.5%	12.0%	65.5%	67.3%
Vermont	86.5%	67.7%	81.1%	78.9%	12.6%	46.4%	55.1%
Virgin Islands	90.7%	68.9%	80.2%	76.5%	13.8%	48.2%	58.5%
Virginia	84.3%	66.7%	76.5%	74.0%	15.4%	43.3%	52.0%
Washington	87.7%	56.1%	70.9%	67.7%	17.5%	33.6%	43.0%
West Virginia	84.4%	80.4%	84.0%	82.0%	11.5%	58.2%	60.6%
Wisconsin	85.9%	83.0%	76.2%	75.0%	18.2%	52.6%	59.4%
Wyoming	88.4%	72.4%	81.4%	79.4%	13.2%	50.4%	59.0%
Maximum	95.0%	86.8%	94.8%	91.9%	22.9%	81.3%	80.5%
Median	85.7%	68.3%	77.4%	74.8%	15.1%	42.4%	53.2%
Minimum	59.9%	48.9%	63.6%	60.1%	4.4%	24.0%	34.4%

Table 7. Percentage of Females in BRFSS and Population Data by State, 2003

State	BRFSS Percent	Population Percent	Difference
Kentucky	62.93%	51.83%	11.10%
Georgia	62.21%	51.37%	10.84%
Louisiana	62.95%	52.42%	10.54%
Tennessee	62.36%	52.04%	10.32%
Alabama	62.81%	52.60%	10.21%
Hawaii	60.26%	50.14%	10.13%
Mississippi	62.41%	52.49%	9.93%
Arizona	60.43%	50.58%	9.85%
Texas	60.66%	50.89%	9.78%
Idaho	59.59%	50.21%	9.38%
Arkansas	61.10%	51.92%	9.18%
North Carolina	60.42%	51.63%	8.78%
South Carolina	60.56%	52.21%	8.35%
Washington	58.95%	50.69%	8.26%
Oklahoma	59.58%	51.56%	8.02%
Virginia	59.48%	51.59%	7.89%
Kansas	59.07%	51.21%	7.86%
Illinois	59.58%	51.73%	7.85%
Wyoming	57.82%	50.03%	7.79%
Nebraska	58.87%	51.33%	7.53%
Guam	56.44%	49.23%	7.21%
Maine	59.15%	52.08%	7.07%
Ohio	59.24%	52.26%	6.98%
Colorado	56.82%	49.95%	6.87%
Alaska	54.90%	48.11%	6.80%
Rhode Island	59.62%	52.92%	6.70%
Virgin Islands	61.35%	54.75%	6.61%
Indiana	58.18%	51.60%	6.58%
California	57.24%	50.67%	6.57%
Delaware	58.81%	52.30%	6.51%
Oregon	57.36%	50.89%	6.47%
New York	59.10%	52.65%	6.45%
West Virginia	58.52%	52.10%	6.42%
New Hampshire	57.89%	51.50%	6.39%
Michigan	58.01%	51.65%	6.37%
New Mexico	57.73%	51.44%	6.30%
Puerto Rico	59.27%	53.06%	6.21%
New Jersey	58.48%	52.30%	6.19%
Wisconsin	57.37%	51.21%	6.16%
Pennsylvania	58.73%	52.59%	6.15%
Massachusetts	58.89%	52.75%	6.14%
Iowa	57.64%	51.70%	5.94%
Maryland	58.48%	52.63%	5.85%
North Dakota	56.42%	50.61%	5.81%
Vermont	57.42%	51.66%	5.76%
Florida	57.49%	51.98%	5.51%
Montana	55.94%	50.63%	5.31%

Table 7. Percentage of Females in BRFSS and Population Data by State, 2003

State	BRFSS Percent	Population Percent	Difference
Connecticut	57.78%	52.51%	5.27%
South Dakota	56.21%	51.02%	5.19%
Minnesota	56.18%	51.06%	5.12%
Missouri	56.79%	52.20%	4.59%
District of Columbia	57.76%	53.55%	4.21%
Utah	53.56%	50.25%	3.31%
Nevada	51.03%	49.40%	1.63%
Median	58.77%	51.64%	6.60%
Mean	58.66%	51.55%	7.12%
Standard Deviation	2.27%	1.13%	1.94%
Range	11.92%	6.64%	9.47%

Table 8. Percentage of White Non-Hispanic People in BRFSS and Population Data by State, 2003*

State	BRFSS Percent	Population Percent	Difference
District of Columbia	46.01%	31.90%	14.12%
Maryland	71.62%	63.22%	8.40%
California	57.89%	49.76%	8.13%
Hawaii	32.57%	25.12%	7.45%
South Carolina	75.01%	68.43%	6.58%
New York	69.20%	63.28%	5.92%
New Jersey	72.62%	67.13%	5.49%
Arizona	72.77%	68.34%	4.43%
Tennessee	85.12%	80.90%	4.22%
Connecticut	83.38%	79.27%	4.11%
New Mexico	52.50%	48.60%	3.90%
Florida	71.30%	67.47%	3.82%
Michigan	84.17%	80.48%	3.69%
Illinois	73.56%	70.04%	3.52%
Louisiana	68.43%	64.97%	3.46%
Delaware	77.90%	74.45%	3.46%
Georgia	67.58%	64.46%	3.12%
Minnesota	92.34%	89.79%	2.55%
Kansas	87.10%	84.70%	2.40%
Texas	57.72%	55.48%	2.24%
Wisconsin	91.47%	89.25%	2.22%
South Dakota	92.43%	90.23%	2.21%
Arkansas	82.76%	80.57%	2.19%
Pennsylvania	87.34%	85.43%	1.91%
Massachusetts	85.08%	83.17%	1.91%
Washington	82.63%	80.85%	1.78%
Kentucky	91.45%	89.92%	1.53%
Iowa	95.01%	93.56%	1.45%
Virginia	72.73%	71.39%	1.34%
Oklahoma	78.07%	76.78%	1.28%
Nebraska	89.94%	88.71%	1.23%
Idaho	90.74%	89.54%	1.21%
Rhode Island	84.72%	83.83%	0.90%
Colorado	77.66%	77.04%	0.62%
Mississippi	64.17%	63.71%	0.47%
Alabama	72.62%	72.23%	0.39%
Wyoming	90.59%	90.22%	0.38%
Ohio	85.70%	85.36%	0.34%
Utah	86.35%	86.18%	0.17%
Missouri	84.99%	85.11%	-0.11%
Indiana	86.76%	86.89%	-0.13%
North Dakota	92.95%	93.10%	-0.15%
Montana	91.05%	91.21%	-0.15%
Alaska	70.17%	70.71%	-0.54%
North Carolina	71.42%	72.06%	-0.64%

Table 8. Percentage of White Non-Hispanic People in BRFSS and Population Data by State, 2003*

State	BRFSS Percent	Population Percent	Difference
New Hampshire	94.84%	95.51%	-0.67%
Maine	95.68%	96.95%	-1.27%
Oregon	84.04%	85.33%	-1.29%
Vermont	95.01%	96.41%	-1.40%
West Virginia	91.80%	94.85%	-3.06%
Nevada	63.28%	68.04%	-4.76%
Median	83.38%	80.57%	1.78%
Mean	78.87%	76.70%	2.16%
Standard Deviation	13.47%	15.43%	3.13%
Range	63.11%	71.83%	18.88%

*Puerto Rico, Guam, and Virgin Islands are excluded.

Table 9. Percentage of People Aged 18-24 in BRFSS and Population Data by State, 2003

State	BRFSS Percent	Population Percent	Difference
Kansas	8.19%	14.38%	6.20%
Vermont	7.43%	13.40%	5.97%
Kentucky	7.38%	13.16%	5.78%
North Dakota	10.10%	15.78%	5.68%
Mississippi	9.81%	15.43%	5.61%
South Carolina	8.27%	13.76%	5.49%
Arizona	7.75%	13.20%	5.45%
Virgin Islands	9.55%	14.88%	5.33%
South Dakota	9.55%	14.83%	5.28%
New Hampshire	6.84%	12.11%	5.27%
Rhode Island	8.21%	13.46%	5.25%
Wyoming	9.48%	14.62%	5.13%
Oklahoma	9.20%	14.32%	5.12%
Iowa	9.06%	14.16%	5.11%
Montana	8.46%	13.51%	5.05%
North Carolina	7.98%	13.01%	5.03%
New Mexico	8.98%	13.92%	4.94%
Tennessee	7.87%	12.78%	4.91%
Arkansas	8.71%	13.40%	4.69%
Alabama	9.10%	13.52%	4.42%
Wisconsin	9.22%	13.57%	4.34%
Louisiana	10.69%	15.00%	4.32%
Nebraska	10.02%	14.26%	4.24%
Idaho	11.11%	15.32%	4.21%
West Virginia	8.20%	12.41%	4.21%
District of Columbia	10.40%	14.53%	4.13%
New Jersey	6.90%	10.94%	4.04%
Maine	7.55%	11.57%	4.02%
Georgia	10.04%	13.83%	3.79%
Minnesota	9.65%	13.43%	3.78%
Virginia	9.08%	12.80%	3.72%
Maryland	8.20%	11.84%	3.64%
Massachusetts	8.49%	12.10%	3.61%
Michigan	9.63%	13.10%	3.47%
Texas	11.04%	14.50%	3.46%
Connecticut	7.75%	11.14%	3.39%
Alaska	10.64%	14.00%	3.36%
Missouri	9.97%	13.21%	3.24%
Oregon	9.64%	12.79%	3.15%
Indiana	10.73%	13.85%	3.11%
Colorado	10.10%	13.11%	3.01%
Pennsylvania	9.32%	12.25%	2.93%
Utah	17.18%	20.11%	2.93%
Delaware	10.29%	13.08%	2.79%
Ohio	10.11%	12.88%	2.77%
Florida	8.61%	11.06%	2.45%
Puerto Rico	12.59%	14.85%	2.26%

Table 9. Percentage of People Aged 18-24 in BRFSS and Population Data by State, 2003

State	BRFSS Percent	Population Percent	Difference
Guam	14.03%	16.22%	2.20%
New York	10.18%	12.35%	2.17%
Washington	10.96%	12.94%	1.98%
Hawaii	10.66%	12.44%	1.79%
Illinois	11.46%	13.17%	1.71%
California	12.15%	13.31%	1.16%
Nevada	11.36%	11.45%	0.10%
Median	9.55%	13.40%	4.03%
Mean	9.63%	13.54%	3.91%
Standard Deviation	1.77%	1.48%	1.33%
Range	10.35%	9.17%	6.10%

Table 10. Percentage of Adults Aged 25-34 in BRFSS and Population Data by State, 2003

State	BRFSS Percent	Population Percent	Difference
Puerto Rico	12.52%	19.30%	6.78%
Georgia	17.24%	19.99%	2.75%
Michigan	14.53%	17.08%	2.56%
South Dakota	13.41%	15.69%	2.28%
Virgin Islands	16.66%	18.83%	2.18%
Tennessee	15.81%	17.88%	2.06%
Virginia	15.76%	17.76%	2.00%
Kentucky	15.59%	17.55%	1.96%
Oklahoma	15.12%	16.93%	1.80%
Arkansas	15.25%	17.00%	1.75%
New Jersey	15.19%	16.95%	1.75%
Florida	14.03%	15.62%	1.58%
North Dakota	13.83%	15.35%	1.53%
West Virginia	14.17%	15.58%	1.41%
Vermont	13.13%	14.51%	1.38%
Pennsylvania	13.95%	15.32%	1.37%
Iowa	14.28%	15.63%	1.35%
Missouri	15.34%	16.67%	1.34%
Louisiana	16.28%	17.61%	1.33%
Colorado	18.04%	19.32%	1.28%
Illinois	17.39%	18.59%	1.20%
Mississippi	16.56%	17.75%	1.19%
Nebraska	15.83%	16.83%	1.00%
North Carolina	17.75%	18.63%	0.88%
Montana	13.90%	14.76%	0.85%
Alabama	16.42%	17.24%	0.82%
Ohio	15.82%	16.60%	0.78%
Nevada	18.59%	19.34%	0.75%
California	19.23%	19.88%	0.65%
Wyoming	15.00%	15.64%	0.64%
Washington	17.20%	17.78%	0.58%
New York	17.34%	17.89%	0.56%
Arizona	18.19%	18.71%	0.52%
New Hampshire	14.57%	15.05%	0.48%
Minnesota	16.47%	16.95%	0.48%
South Carolina	17.05%	17.48%	0.43%
Oregon	17.21%	17.53%	0.32%
Idaho	17.44%	17.71%	0.27%
New Mexico	16.74%	17.01%	0.27%
Delaware	16.71%	16.85%	0.14%
Indiana	17.19%	17.28%	0.10%
Maryland	17.03%	17.05%	0.02%
Wisconsin	16.18%	16.16%	-0.02%
Maine	14.72%	14.47%	-0.26%
Kansas	17.11%	16.72%	-0.39%
Connecticut	15.97%	15.56%	-0.40%
Texas	20.45%	19.97%	-0.48%

Table 10. Percentage of Adults Aged 25-34 in BRFSS and Population Data by State, 2003

State	BRFSS Percent	Population Percent	Difference
Utah	22.48%	21.98%	-0.50%
District of Columbia	22.31%	21.73%	-0.58%
Rhode Island	16.81%	16.07%	-0.73%
Guam	24.41%	23.65%	-0.77%
Hawaii	18.17%	17.37%	-0.80%
Alaska	19.99%	18.41%	-1.58%
Massachusetts	19.17%	17.15%	-2.02%
Median	16.51%	17.20%	0.76%
Mean	16.62%	17.45%	0.83%
Standard Deviation	2.32%	1.83%	1.30%
Range	11.89%	9.18%	8.80%

Table 11. Percentage of Adults Aged 35-44 in BRFSS and Population Data by State, 2003

State	BRFSS Percent	Population Percent	Difference
Virgin Islands	22.34%	20.08%	2.27%
Vermont	22.17%	20.03%	2.13%
Pennsylvania	21.48%	19.41%	2.07%
Wisconsin	22.30%	20.47%	1.83%
Montana	20.29%	18.51%	1.78%
Iowa	20.33%	18.57%	1.76%
Maine	21.94%	20.19%	1.74%
Illinois	22.24%	20.55%	1.69%
Delaware	22.29%	20.64%	1.65%
Rhode Island	21.34%	20.29%	1.05%
Tennessee	20.96%	20.00%	0.96%
Guam	24.18%	23.35%	0.83%
Idaho	20.04%	19.28%	0.76%
Minnesota	21.89%	21.17%	0.71%
North Dakota	18.78%	18.11%	0.68%
Nebraska	19.89%	19.22%	0.67%
New Jersey	22.40%	21.74%	0.66%
North Carolina	21.01%	20.41%	0.60%
Virginia	21.99%	21.41%	0.59%
Kansas	20.08%	19.53%	0.56%
Puerto Rico	19.20%	18.66%	0.54%
Mississippi	19.60%	19.15%	0.46%
Massachusetts	21.63%	21.19%	0.44%
South Dakota	19.23%	18.83%	0.39%
Connecticut	21.52%	21.45%	0.07%
District of Columbia	19.19%	19.14%	0.06%
New Hampshire	22.15%	22.10%	0.05%
Arkansas	18.81%	18.76%	0.05%
Louisiana	19.76%	19.78%	-0.02%
Maryland	22.12%	22.15%	-0.03%
West Virginia	17.72%	17.75%	-0.03%
South Carolina	19.61%	19.66%	-0.05%
Hawaii	19.48%	19.55%	-0.07%
Oklahoma	18.75%	18.83%	-0.08%
Oregon	18.86%	18.95%	-0.09%
Nevada	21.10%	21.21%	-0.11%
Indiana	19.80%	19.98%	-0.18%
California	21.24%	21.51%	-0.27%
Texas	20.89%	21.18%	-0.29%
Wyoming	18.43%	18.74%	-0.31%
Missouri	19.48%	19.83%	-0.35%
Ohio	19.47%	19.82%	-0.35%
Washington	20.43%	20.80%	-0.37%
Florida	18.83%	19.20%	-0.37%
Colorado	21.14%	21.60%	-0.46%
Alaska	22.88%	23.36%	-0.48%
New Mexico	18.92%	19.75%	-0.82%

Table 11. Percentage of Adults Aged 35-44 in BRFSS and Population Data by State, 2003

State	BRFSS Percent	Population Percent	Difference
Utah	17.81%	18.73%	-0.92%
Georgia	20.90%	21.85%	-0.95%
Arizona	18.58%	19.62%	-1.03%
Michigan	19.31%	20.36%	-1.04%
New York	19.74%	20.80%	-1.06%
Kentucky	18.55%	19.92%	-1.37%
Alabama	17.83%	19.31%	-1.48%
Median	20.19%	19.95%	0.05%
Mean	20.39%	20.12%	0.27%
Standard Deviation	1.49%	1.24%	0.93%
Range	6.46%	5.62%	3.75%

Table 12. Percentage of Adults Aged 45-54 in BRFSS and Population Data by State, 2003

State	BRFSS Percent	Population Percent	Difference
Ohio	22.83%	19.38%	3.45%
Kansas	22.34%	18.90%	3.44%
Mississippi	21.21%	17.94%	3.27%
New Hampshire	24.10%	20.89%	3.22%
Georgia	21.57%	18.68%	2.89%
North Dakota	21.66%	18.77%	2.89%
Arkansas	20.68%	17.82%	2.86%
Wyoming	23.99%	21.19%	2.80%
Montana	23.51%	20.88%	2.64%
Wisconsin	21.78%	19.35%	2.43%
Virginia	21.85%	19.42%	2.43%
Tennessee	21.17%	18.85%	2.32%
Iowa	20.90%	18.62%	2.28%
Guam	19.40%	17.12%	2.27%
Puerto Rico	19.21%	16.95%	2.25%
Indiana	21.09%	18.93%	2.15%
New Mexico	21.54%	19.40%	2.13%
Pennsylvania	21.20%	19.09%	2.12%
Vermont	23.12%	21.02%	2.11%
Kentucky	20.93%	18.88%	2.06%
New York	20.47%	18.51%	1.96%
New Jersey	21.08%	19.18%	1.90%
South Carolina	20.56%	18.68%	1.88%
Connecticut	21.50%	19.67%	1.83%
Colorado	22.22%	20.39%	1.83%
South Dakota	20.47%	18.68%	1.78%
Louisiana	20.43%	18.70%	1.73%
Michigan	21.31%	19.59%	1.72%
Rhode Island	20.15%	18.66%	1.49%
Illinois	20.10%	18.64%	1.45%
Maryland	21.43%	19.98%	1.45%
Idaho	20.50%	19.05%	1.45%
Alabama	20.02%	18.59%	1.43%
Hawaii	20.57%	19.18%	1.38%
Oklahoma	19.65%	18.28%	1.37%
Missouri	19.95%	18.61%	1.34%
Nebraska	20.10%	18.76%	1.34%
Arizona	18.60%	17.30%	1.30%
West Virginia	20.78%	19.51%	1.26%
Minnesota	20.70%	19.46%	1.24%
Washington	21.32%	20.13%	1.19%
Massachusetts	19.97%	18.87%	1.10%
Utah	17.64%	16.55%	1.09%
California	19.49%	18.52%	0.97%
Maine	21.48%	20.51%	0.97%
Texas	19.26%	18.42%	0.83%
District of Columbia	17.72%	16.91%	0.81%

Table 12. Percentage of Adults Aged 45-54 in BRFSS and Population Data by State, 2003

State	BRFSS Percent	Population Percent	Difference
Delaware	19.14%	18.43%	0.71%
Florida	18.09%	17.41%	0.68%
North Carolina	19.03%	18.43%	0.60%
Oregon	20.51%	20.15%	0.36%
Virgin Islands	19.91%	19.57%	0.34%
Alaska	23.09%	23.16%	-0.08%
Nevada	18.54%	18.64%	-0.10%
Median	20.69%	18.86%	1.73%
Mean	20.74%	19.02%	1.72%
Standard Deviation	1.44%	1.16%	0.85%
Range	6.46%	6.62%	3.56%

Table 13. Percentage of Adults Aged 55-64 in BRFSS and Population Data by State, 2003

State	BRFSS Percent	Population Percent	Difference
Virgin Islands	17.13%	11.86%	5.28%
West Virginia	18.97%	14.27%	4.70%
Kentucky	17.27%	13.32%	3.95%
Tennessee	17.43%	13.56%	3.88%
Louisiana	16.10%	12.59%	3.51%
Alabama	16.90%	13.43%	3.47%
Rhode Island	15.80%	12.56%	3.24%
Arkansas	16.89%	13.75%	3.15%
South Dakota	15.15%	12.07%	3.08%
Michigan	15.99%	13.04%	2.95%
Florida	16.38%	13.48%	2.90%
Georgia	15.16%	12.30%	2.87%
South Carolina	16.50%	13.66%	2.84%
Maine	16.90%	14.07%	2.82%
Oklahoma	16.06%	13.30%	2.75%
North Dakota	14.66%	11.99%	2.67%
Virginia	15.83%	13.34%	2.50%
Puerto Rico	16.32%	13.86%	2.46%
Wyoming	15.89%	13.51%	2.39%
Arizona	15.09%	12.81%	2.28%
New Hampshire	15.76%	13.57%	2.19%
Ohio	15.22%	13.08%	2.15%
Mississippi	14.66%	12.66%	2.00%
Iowa	14.63%	12.64%	2.00%
New Mexico	15.19%	13.23%	1.96%
Delaware	15.32%	13.36%	1.96%
Maryland	15.33%	13.47%	1.86%
Oregon	15.26%	13.45%	1.81%
Colorado	14.01%	12.27%	1.74%
North Carolina	14.83%	13.09%	1.74%
Texas	13.42%	11.80%	1.62%
Indiana	14.45%	12.87%	1.58%
New York	14.54%	13.01%	1.54%
Illinois	13.96%	12.44%	1.53%
Montana	15.41%	13.89%	1.52%
District of Columbia	13.47%	12.02%	1.45%
Pennsylvania	14.65%	13.22%	1.42%
Washington	14.42%	13.00%	1.42%
Vermont	15.29%	13.91%	1.38%
Minnesota	13.65%	12.38%	1.28%
Idaho	13.87%	12.73%	1.14%
Nebraska	13.23%	12.18%	1.06%
Massachusetts	13.80%	12.76%	1.04%
New Jersey	14.34%	13.31%	1.04%
California	12.85%	11.89%	0.96%
Missouri	14.00%	13.17%	0.83%

Table 13. Percentage of Adults Aged 55-64 in BRFSS and Population Data by State, 2003

State	BRFSS Percent	Population Percent	Difference
Connecticut	14.50%	13.67%	0.83%
Utah	10.93%	10.19%	0.74%
Alaska	12.83%	12.27%	0.56%
Wisconsin	13.14%	12.60%	0.54%
Kansas	12.67%	12.23%	0.44%
Nevada	14.43%	14.03%	0.40%
Hawaii	13.23%	13.11%	0.12%
Guam	10.02%	10.35%	-0.34%
Median	14.96%	13.06%	1.83%
Mean	14.88%	12.90%	1.98%
Standard Deviation	1.58%	0.81%	1.13%
Range	8.96%	4.09%	5.61%

Table 14. Percentage of Adults Aged 65+ in BRFSS and Population Data by State, 2003

State	BRFSS Percent	Population Percent	Difference
Puerto Rico	20.07%	16.39%	3.69%
Kentucky	19.74%	17.16%	2.58%
Oklahoma	20.80%	18.33%	2.47%
Arizona	20.76%	18.36%	2.40%
North Carolina	18.57%	16.43%	2.14%
Michigan	18.70%	16.83%	1.87%
Missouri	20.27%	18.51%	1.76%
Nebraska	20.46%	18.75%	1.71%
South Dakota	21.53%	19.89%	1.64%
New Mexico	18.27%	16.69%	1.59%
Vermont	18.37%	17.13%	1.24%
Alaska	9.97%	8.80%	1.18%
Utah	13.48%	12.44%	1.04%
Minnesota	17.64%	16.61%	1.03%
Alabama	18.94%	17.91%	1.03%
Georgia	14.18%	13.35%	0.82%
Oregon	17.93%	17.13%	0.80%
New Jersey	18.52%	17.89%	0.63%
Idaho	16.51%	15.91%	0.60%
Colorado	13.89%	13.30%	0.59%
Kansas	18.80%	18.24%	0.56%
Nevada	15.87%	15.32%	0.55%
Mississippi	17.55%	17.08%	0.46%
South Carolina	17.13%	16.76%	0.37%
Wyoming	16.63%	16.31%	0.32%
Washington	15.53%	15.35%	0.19%
North Dakota	20.19%	20.01%	0.18%
Iowa	20.40%	20.38%	0.02%
Texas	14.11%	14.12%	-0.01%
Louisiana	16.28%	16.32%	-0.04%
California	14.75%	14.90%	-0.14%
Arkansas	19.08%	19.28%	-0.21%
Florida	23.01%	23.23%	-0.22%
Virginia	14.83%	15.27%	-0.44%
West Virginia	19.90%	20.47%	-0.57%
Tennessee	16.33%	16.94%	-0.61%
Montana	17.74%	18.46%	-0.71%
Indiana	16.33%	17.09%	-0.76%
New York	16.54%	17.44%	-0.90%
Hawaii	17.38%	18.35%	-0.97%
New Hampshire	15.11%	16.29%	-1.17%
Wisconsin	16.64%	17.86%	-1.22%
District of Columbia	14.43%	15.67%	-1.24%
Maryland	14.25%	15.50%	-1.26%
Connecticut	16.97%	18.51%	-1.54%
Illinois	14.77%	16.60%	-1.83%
Guam	7.40%	9.30%	-1.91%
Virgin Islands	12.72%	14.79%	-2.06%
Pennsylvania	18.60%	20.71%	-2.10%
Delaware	15.49%	17.64%	-2.15%
Rhode Island	16.50%	18.96%	-2.45%
Massachusetts	15.29%	17.93%	-2.64%

Table 14. Percentage of Adults Aged 65+ in BRFSS and Population Data by State, 2003

State	BRFSS Percent	Population Percent	Difference
Ohio	15.55%	18.25%	-2.69%
Maine	16.38%	19.19%	-2.81%
Median	16.81%	17.11%	0.10%
Mean	16.98%	16.97%	0.01%
Standard Deviation	2.81%	2.50%	1.50%
Range	15.62%	14.43%	6.50%

Table 15. Percentage of Respondents with Income Response "Unknown" (77), "Refused" (99), and Combined, by State, 2003

State	Percent Don't Know/ Not Sure	Percent Refused	Percent Combined
Kentucky	10.39%	16.28%	26.67%
North Carolina	7.72%	15.38%	23.10%
Delaware	5.58%	17.42%	23.01%
Hawaii	10.29%	12.18%	22.47%
Tennessee	8.77%	13.08%	21.85%
New Jersey	5.59%	9.30%	14.89%
Kansas	6.86%	7.92%	14.78%
Virgin Islands	10.69%	3.84%	14.53%
Connecticut	4.93%	9.28%	14.21%
Florida	5.49%	8.39%	13.88%
Oklahoma	7.11%	6.73%	13.84%
Mississippi	9.58%	4.17%	13.75%
Nebraska	7.37%	6.36%	13.74%
Massachusetts	5.31%	8.40%	13.71%
Illinois	6.20%	7.45%	13.65%
New York	6.20%	7.43%	13.63%
Rhode Island	5.60%	7.98%	13.59%
West Virginia	10.09%	3.38%	13.47%
Puerto Rico	12.05%	1.33%	13.38%
Guam	10.92%	2.43%	13.35%
Minnesota	8.48%	4.77%	13.24%
Louisiana	8.92%	4.23%	13.15%
Nevada	6.45%	6.59%	13.04%
Texas	7.52%	5.38%	12.90%
Georgia	6.24%	6.26%	12.50%
Indiana	5.46%	7.02%	12.48%
Pennsylvania	5.31%	7.16%	12.47%
New Hampshire	4.91%	7.52%	12.43%
South Carolina	5.95%	6.34%	12.30%
Maryland	4.15%	8.08%	12.23%
Ohio	5.04%	7.16%	12.21%
Michigan	6.06%	6.06%	12.12%
Arkansas	5.72%	6.28%	12.00%
Arizona	5.26%	6.71%	11.97%
Maine	5.68%	6.15%	11.83%
Washington	5.21%	6.37%	11.58%
Virginia	5.68%	5.90%	11.57%
Vermont	5.21%	6.28%	11.49%
Missouri	4.50%	6.94%	11.45%
Idaho	5.33%	6.08%	11.42%
Oregon	6.13%	5.18%	11.31%
Montana	5.30%	6.01%	11.31%
Iowa	4.91%	6.30%	11.21%
North Dakota	4.95%	6.00%	10.95%
Alabama	5.43%	5.50%	10.93%
Wisconsin	3.59%	6.90%	10.48%

Table 15. Percentage of Respondents with Income Response "Unknown" (77), "Refused" (99), and Combined, by State, 2003

State	Percent Don't Know/ Not Sure	Percent Refused	Percent Combined
New Mexico	5.56%	4.92%	10.47%
Colorado	4.47%	5.96%	10.43%
District of Columbia	4.35%	5.87%	10.23%
South Dakota	5.50%	4.41%	9.92%
Utah	6.12%	3.75%	9.86%
Wyoming	4.16%	5.04%	9.20%
Alaska	5.34%	3.69%	9.03%
California	3.17%	5.00%	8.17%
Median	5.60%	6.29%	12.45%
Mean	6.35%	6.86%	13.21%
Standard Deviation	2.00%	3.05%	3.62%
Range	8.88%	16.10%	18.50%